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(54) **METHOD OF STORING, UPTAKING, RELEASING OF GASES BY NOVEL FRAMEWORK MATERIALS**

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(57) **ABSTRACT**

The present invention relates to the technical field of storing gas including methane and hydrogen, in particular to the fuel cell technology. In particulars it relates to a method of using a metallo-organic framework material comprising pores and at least one metal ion and at least one at least bidentate organic compound.

15 Claims, 3 Drawing Sheets